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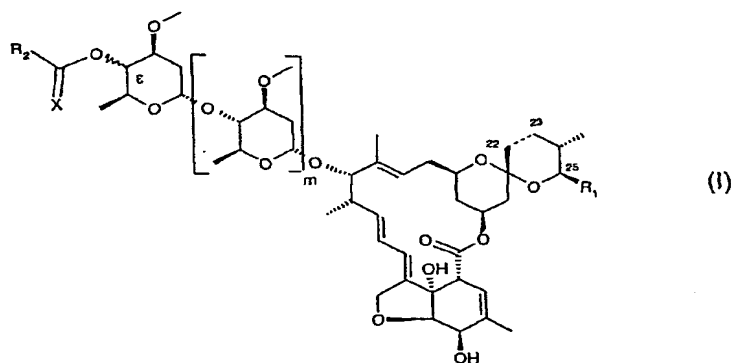
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(54) Title: **AVERMECTINS AND AVERMECTIN MONOSACCHARIDES SUBSTITUTED IN THE 4'- AND 4" POSITION HAVING PESTICIDAL PROPERTIES**



(57) Abstract: Described is a compound of the formula (I) wherein the bond between carbon atoms 22 and 23 is a single or double bond; m is 0 or 1; R₁ is C₁-C₁₂alkyl, C₃-C₈cycloalkyl or C₂-C₁₂alkenyl; and either (A) R₂ is -N(R₃)R₄, and (1) X is O, wherein R₃ is, for instance, hydrogen, unsubstituted or mono- to pentasubstituted C₁-C₁₂alkyl, and R₄ is, for instance, mono- to pentasubstituted C₁-C₁₂alkyl, unsubstituted or mono- to pentasubstituted C₃-C₁₂cycloalkyl; or (2) X is S, wherein R₃ is, for instance, hydrogen, unsubstituted or mono- to pentasubstituted C₁-C₁₂alkyl, and R₄ is, for instance, hydrogen, unsubstituted or mono- to pentasubstituted C₁-C₁₂alkyl; or (3) X is O or S, wherein R₃ and R₄ together are, for instance, a three- to seven membered alkylene or a four- to seven-membered alkenylene bridge; or (B) R₂ is OR₅, X is O or S, wherein R₅ is, for instance, C₁-C₁₂alkyl, mono- to pentasubstituted C₁-C₁₂alkyl; or, if appropriate, an E/Z isomer, E/Z isomer mixture and/or tautomer thereof, in each case in free form or in salt form; such a compound demonstrates pesticidal activity.



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